

BOARD OF PROFESSIONAL ENGINEERS AND PROFESSIONAL LAND SURVEYORS

Land Surveying Curriculum Approved by the Full Board on May 12, 2005

Basic Courses: Minimum 33 semester credits

English: 6 credits
English composition
English writing
Public speaking

Math: 7 credits
Algebra
Trigonometry

Drafting: 6 credits
Survey graphics
CADD drawing

Basic Science: 9 credits
Computer hardware,
Computer software
Introduction to GPS
Introduction to GIS
Physical science

Humanities, Social Science or approved AAS benchmarks: 5 credits

Surveying Techniques, Principles and Practice: Minimum 27 semester credits

Basic course topics:

1. Basic surveying techniques.
2. Surveying calculations.
3. Principles of creating contour maps by field measurements and by photogrammetry.
4. In depth study of the Public Land Survey System (PLSS).
5. Legal principles of property boundaries.
6. Writing and interpreting legal descriptions.
7. Principles and practices of construction surveying.
8. Land development design.
9. Montana laws concerning surveying.

The Board of Professional Engineers and Professional Land Surveyors approved the following College's land surveying curriculum:

- 1. Flathead Valley Community College – Associates in Applied Science in Surveying**

******Other curriculum will be considered by the board on a case by case basis******